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Multilayer composite material

Claims

1. A process for the production of a multilayer composite material (1, 21) with a plastic layer (4, 24) that has release properties with respect to adhesives, where the materials producing the release properties are located within the plastic layer, **wherein** a first web (2, 22) is provided in production of the composite material (1, 21) on one side of which a layer of adhesive (3, 23) is located, after which the plastic layer (4, 24) with the release properties will follow, which is in turn bonded to a second web (5, 25).
2. Process according to claim 1, **wherein** a web of paper (or a similar material) is provided as the first web (2, 22).
3. Process according to claim 1, **wherein** metal foil is provided as the first web (2, 22).
4. Process according to claim 1, **wherein** a nonwoven fabric is provided as the first web (2, 22).

5. Process according to one of the claims 1 to 4, **wherein** the layers are extruded onto the first web (2, 22) simultaneously by the coextrusion process.
6. Process according to one of the previous claims, **wherein** a web of paper (or a similar material) is provided as the second web (5, 25).
7. Process according to claim 6, **wherein** the layers including the first web (2, 22) are extruded onto the second web (5, 25).
8. Process according to one of the previous claims, **wherein** at least the adhesive layer (3, 23) and the layer (4, 24) with the release properties are extruded between the two webs (2, 22 and 5, 25).
9. Process according to claim 1, **wherein** the first and/or second web (2, 22; 5, 25) are oriented if plastic is used for one or both of them.
10. Process according to claim 9, **wherein** a web (2, 22; 5, 25) which is pre-produced from plastic is oriented before it is used.
11. Multilayer composite material produced in accordance with the process as described in one of the previous claims, **wherein** a first web (2, 22) and at least a second web (5, 25) are provided, between which a layer of adhesive (3, 23) and a further layer (2, 24) that has release properties with respect to the adhesive are located.
12. Multilayer composite material according to claim 11, **wherein** further layers (26) are provided that are located on the outside of the first web (2, 22) and/or the second web (5, 25).
13. Multilayer composite material according to claim 11 or 12, **wherein** the first and/or second web (2, 5, 22, 25) are made from an oriented plastic film.

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